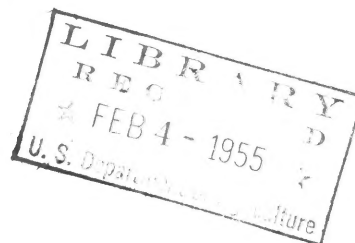


# Solve Your Greenhouse Humidity Problems

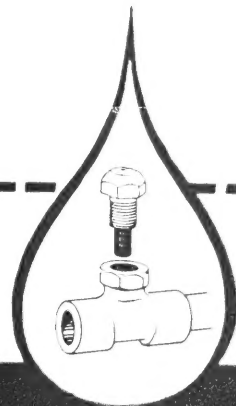
with

## L&H Low Pressure Greenhouse Humidity Systems



### *Increased Profits can be Yours!*

- ★ Plants can be grown with increased light
- ★ Reduces pot watering and overhead syringing
- ★ Osmunda and other composites last longer
- ★ Improved root systems
- ★ Stronger plants, more growths, healthier foliage
- ★ Summer cooling effect
- ★ More flowers of better quality



# Lager & Hurrell

ORCHID GROWERS & IMPORTERS

ESTABLISHED 1896

Summit, New Jersey

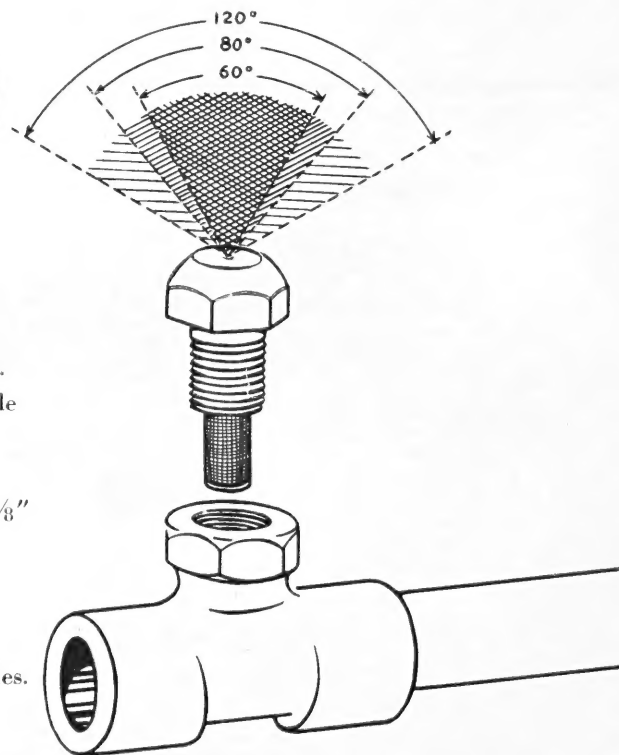
The importance of correctly controlled greenhouse humidity is now recognized as a very necessary factor for optimum plant growth. Daily we hear reports from commercial growers, our agricultural experiment stations and from hundreds of small, amateur growers and hobbyists throughout the country as to the value and many benefits derived from properly controlled humidity — especially in relation to orchids.

In developing our Low Pressure Greenhouse Humidity Systems, our chief considerations were maximum efficiency with the best materials at the lowest possible cost. This system can be manually operated or combined with automatic controls to make up a simple, efficient, low-cost assembly. For installation we recommend  $\frac{1}{2}$ " copper tubing available at your plumbing supply house.

## NOZZLE ASSEMBLY

Illustrating our special combination low-pressure H-261 nozzle tip, especially designed to atomize water at low pressures, and special copper sweat Tee fitting designed for use with the H-261 nozzle tip. The all brass nozzle tip with a  $\frac{1}{4}$ " standard male thread screws directly into this special tee fitting. The 120 mesh Monel strainer, which will not rust or corrode, protrudes approximately  $\frac{1}{8}$ " into the body of the fitting to facilitate cleaning. We recommend a faucet at the far end of your supply line for this purpose.

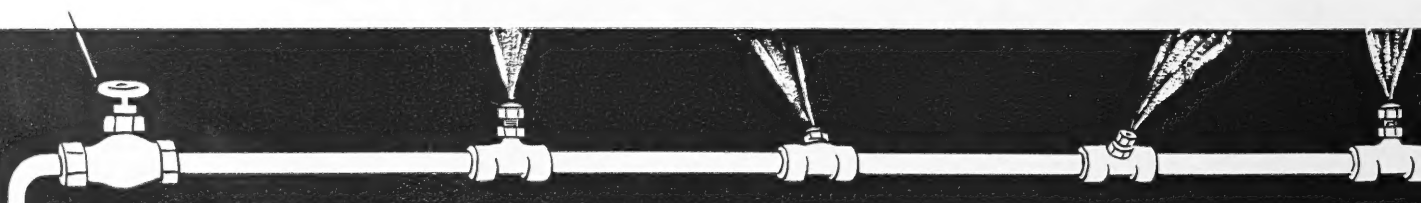
Nozzles available in 60°, 80° and 120° spray angles. (See insert).



CAPACITIES IN GALLONS PER HOUR

Nozzle No.	Lbs. Operating Pressure						
	25	30	35	40	60	80	100
H-261	1.03	1.15	1.23	1.39	1.62	1.85	1.95

Flush out valve



## AUTOMATIC CONTROLS

For an automatic system we recommend Minneapolis-Honeywell equipment.

### HUMIDITY CONTROLLER (H-41)

Mount the Humidity controller above the level of the plant tops and not less than five (5) feet from the floor. (Not on an outside wall). There should be no obstruction to free circulation of air over the controller. If in a position where it may be affected by heat from pipes, ducts or radiant heat from the sun, protect with a sun shade or baffle against heat. In operation the Humidity reading will be slightly higher at the plant level than at the Humidistat because of the difference in height. For further information, installation instructions, etc., see insert.

### MAGNETIC WATER VALVE (V-437)

This may be installed at any height above the plant bench where it will be protected from water. If installed below the bench this valve should be protected with a cover and conduit used for the electrical connections.

A suitable strainer should be installed ahead of the valve to prevent dirt and sediment in the line from lodging on the seat and causing improper closure of the magnetic valve.

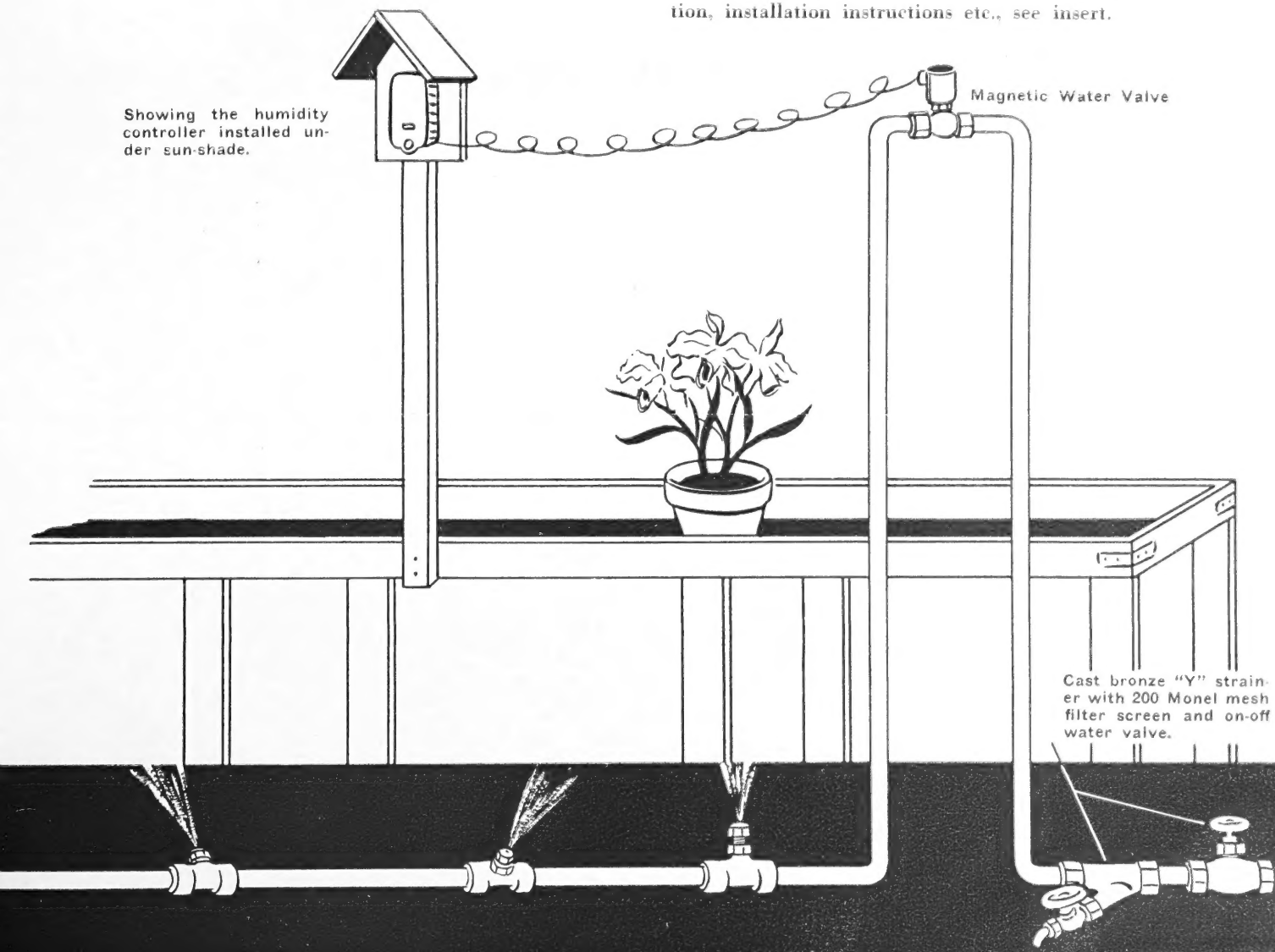
A hand operated valve installed ahead of the strainer is also recommended.

When making sweat connections the electrical coil assembly should be lifted off the valve body, (see insert) to prevent blow torch heat from damaging the coil. For further information, installation instructions etc., see insert.

Showing the humidity controller installed under sun-shade.

Magnetic Water Valve

Cast bronze "Y" strainer with 200 Monel mesh filter screen and on-off water valve.



# Supplies and Accessories for Orchid Culture

LUMITE ORCHID SHADE CLOTHS

LUMITE POTTING SQUARES

ALUMINUM POTTING STICKS

OSMUNDA FIBRE — BEST NORTHERN GRADE

WIRE POT HANGERS

INSECTICIDES

WILSON'S ORCHID FERTILIZER

LABELS — INDESTRUCTIBLE CELLULOID

HOSE — SUPPLEX PLASTIC — GUARANTEED

TAYLOR SLING PSYCHROMETERS — FOR HUMIDITY READING

TAYLOR GREENHOUSE THERMOMETERS

WOOD PRESERVATIVES

For further information write for descriptive literature and price list.

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